Garlic

ATLANTIC PROVINCES VEGETABLE CROPS GUIDE TO PEST MANAGEMENT 2002 - 2003

Agriculture and Forestry
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PEST	PESTICIDE (Formulation)	RATE Product	DAYS TO HARVEST	REMARKS
Weeds				▲ to Top
Preplant Perennial Weeds including quackgrass	ROUNDUP 356 Sn	2.5 to 7.0 L/ha	-	Apply in the fall or spring prior to planting. Annual weed control programs will be necessary to control weeds germinating after planting. For quackgrass control apply to actively growing quackgrass when at least 4 new leaves are present. The low rate (2.5 L/ha) will provide a minimum of one season control, while higher rates (4.75 to 7 L/ha) will provide longer term control. The low rate of Roundup should be applied in 50 to 100 L/ha water. If higher water volumes are used add a suitable surfactant. Wait 72 hours before plowing under. Best control of quackgrass is obtained when these herbicides are applied in the fall.
	TOUCHDOWN 480	2.5 to 7.0 L/ha	-	
	GLYFOS	2.5 to 7.0 L/ha	-	
	ROUNDUP TRANSORB	2.5 to 7.0 L/ha	-	
Stale Seedbed Technique	GRAMOXONE 200 Sn	2.75 to 5.5 L/ha	-	Apply in 300 to 1100 L of water/ha to foliage of the emerged weeds but before the crop has emerged. Use Gramoxone for best control of grasses.
	REGLONE 200 Sn	2.75 to 5.5 L/ha	-	
Preemergence	DACTHAL 75WP	9.0 to 18.0 kg/ha	-	Apply at seeding or at transplanting.
	DEVRINOL 50 DF	2.24 to 4.5 kg/ha	-	Apply only one application per season.
Postemergence Annual grasses	POAST Ultra Plus	0.32 to 0.47 L/ha 1.0 L/ha	60	Apply postemergence to annual grasses in the 1 to 6 leaf stage.

	MERGE			
Quackgrass	POAST Ultra Plus MERGE	1.1 L/ha Plus 1.0 to 2.0 L/ha	60	Apply at 1 to 3 leaf stage of actively growing quackgrass. Apply in 110 to 200 L/ha of water. Use Merge at 1% volume/volume of water.
Broadleaf Weeds	PARDNER (280 g/l)	1.0 L/ha	58	Apply in 200 to 300 L/ha of water, early post emergence to weeds.
Inter-row shielded	GRAMOXONE 200 Sn	2.75 to 5.5 L/ha	-	Do not spray solution on the crop plant since it could be injured or killed. Use Gramoxone for best control of grasses.
	REGLONE 200 Sn	2.75 to 5.5 L/ha	-	
Insects ▲ to Top				
Aphids and Thrips	MATADOR 120 EC	188 ml/ha	14	Thrips only. 3 applications per season.
	MALATHION 25 WP	4.25 kg/ha	3	
	MALATHION 500 E	2 L/ha	3	
Onion Maggots	LORSBAN 4 E	3.5 L/ha in 1000 L of water	50	Apply as a drench over the row on newly emerged plants (in the spring).
	PYRINEX 480 EC	3.5 L/ha in 1000 L of water	50	Apply as soil drench banded over the seedling row.
Diseases ▲ to Top				
Purple Blotch *Alternaria*	DYRENE 50 WP	2.5 to 3.75 kg/ha	-	Apply as necessary.
Green Mold *Penicillium*	ROVRAL 50 WP	4.0 g/L water	-	Dip garlic cloves in the Rovral suspension for 30 minutes prior to planting in the fall.